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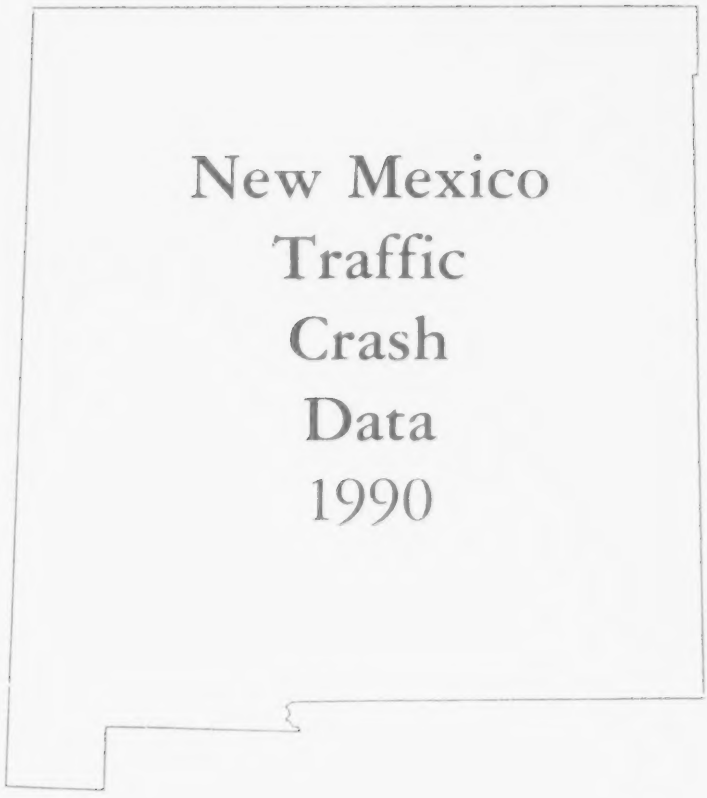
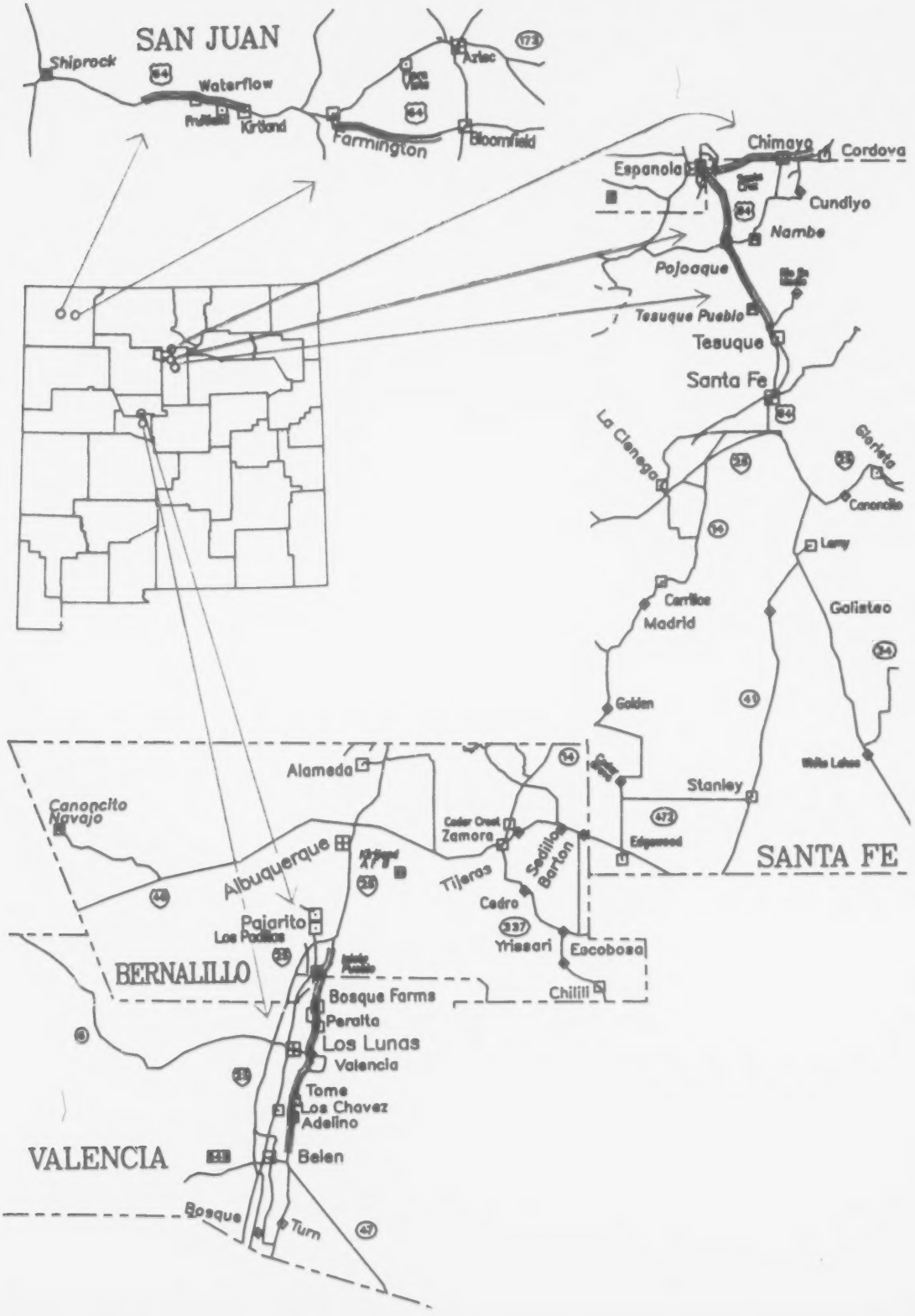


New Mexico Traffic Crash Data 1990

New Mexico Highway and Transportation Department
Transportation Programs Division
Traffic Safety Bureau

New Mexico's Seven Highest-crash Rural Highway Segments, 1990



New Mexico
Traffic Crash Data
1990

New Mexico Highway and Transportation Department
Transportation Programs Division
Traffic Safety Bureau

June, 1991

Produced by the Division of Government Research
University of New Mexico
Under grant number 1-TR-91-01-01-01

Distributed in compliance with
New Mexico Statute 66-7-214
as a reference source
regarding New Mexico traffic crashes

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INTRODUCTION

This report reviews traffic crash data in New Mexico from January through December, 1990. Crash occurrences are characterized in many different ways. Comparisons of the 1990 experience with previous years and with national crash rates are provided. Tables for those who seek reference information are accompanied by simple graphic illustrations of the same data for others who desire only an impressionistic understanding of the material. Maps are provided where geographic perspective is useful.

These data are gathered from traffic crash reports completed by the hundreds of police officers across the state, to whom a great debt is owed. This body of data was compiled in Santa Fe by the Transportation Statistics Bureau of the New Mexico Highway and Transportation Department. The information was reprocessed by Division of Government Research at the University of New Mexico for analysis by the computer programs which generated this report.

These statistics cover only reported motor vehicle crashes on public roadways which involved death, personal injury, or $500 or more in property damage according to the investigating officer's judgment. No account is kept of unreported crashes or crashes on private property. Crash information herein is drawn from the Uniform Accident reports. These reports are distinct from those required by New Mexico's Financial Responsibility Act, statutes 66-5-201 to 66-5-248.

Because crashes are both common and random, data are occasionally incomplete or imprecise. Major advances in data integrity have been achieved in recent years in New Mexico. Nevertheless, minor discrepancies between table totals occur in a few places due to missing information. Estimated and revised figures are indicated where applicable.

Million vehicle miles (MVM) traveled were calculated based on the Highway Planning and Research Division's daily average vehicle miles traveled and system mileages by county and functional classification (1990 New Mexico Traffic Survey, page 24.) In 1988, the Highway Planning and Research Division of the New Mexico Highway and Transportation Department made changes in traffic monitoring methodology. These changes mean that discretion must be used in directly comparing previous and current years' MVMs and any rates based on MVMs.

Requests for further information or additional copies of this report should be addressed to:

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DEFINITIONS

Some special terms are used throughout this report. The following list is provided to help clarify those terms.

GENERAL TERMS

1. Vehicle Miles - the number of miles traveled by motor vehicles. MVM and 100 MVM stand for million and 100 million vehicle miles, respectively.
2. Traffic Crash - a crash involving one or more motor vehicles.
3. Crash Rate - crashes per 100 MVM unless otherwise specified.
4. Death Rate - traffic fatalities per 100 MVM unless otherwise specified.
5. Alcohol-involved - a crash in which a DWI citation was issued, alcohol was listed as a contributing factor on the Uniform Accident report, or any driver or pedestrian involved tested at 0.05 BAC or higher.
6. Urban - a town or a city with a population of 2,500 or more.
7. Rural - an area with a population of less than 2,500.
8. Local Resident - a person whose residence was within 25 miles of the crash site.
9. Fatal - designates a crash where one or more persons were killed.
10. Injury - designates a crash where one or more persons were injured. Fatal crashes are not counted again as injury crashes.
11. Property Damage Only (Property Damage) - designates a crash involving no injuries or fatalities.
12. Killed - the number of persons killed in a crash, as opposed to the number of crashes in which people were killed. The term fatalities is also used.
13. Injured - the number of persons injured in a crash, as opposed to the number of crashes in which people were injured. Injury counts include persons injured but not killed in fatal crashes.

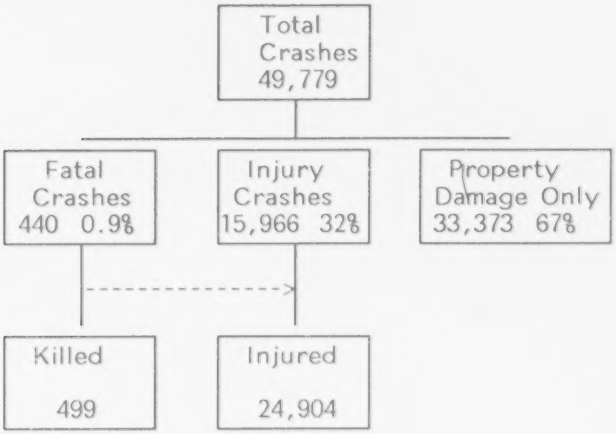
CRASH CLASSES

1. Collision - crashes are categorized based on the first object the vehicle collided with.
    a. Other Vehicle - collision between motor vehicles.
    b. Fixed Object - any object that cannot be moved such as a building, sign, or fence.
    c. Other Object - an object that is movable or moving, except for a parked vehicle, animal, etc.
2. Non-Collision
    a. Overturn - a crash where the vehicle overturned for any reason without a preceding incident.
    b. Other Non-Collision - a crash where the vehicle did not overturn or collide with any other vehicle or object.

1.1 New Mexico Crash Facts, 1990

- 499 people died in 1990 New Mexico traffic crashes (table 1.3)
- Friday between 5 and 6 p.m. was the least safe time to drive in urban areas (table 2.4)
- 78 percent of New Mexico's crashes occurred in urban areas (table 3.1)
- There were 10 percent fewer fatal crashes and 10 percent fewer people killed in rural areas in 1990 than in 1989 (table 3.1)
- 38 percent of New Mexico's crashes occurred in Bernalillo County (table 3.2)
- NM 76 in Rio Arriba County contained New Mexico's highest-crash stretch of rural highway (table 3.8)
- The number of persons killed in overturning crashes was 168, down from 184 in 1989 (table 4.1)
- 88 percent of New Mexico's crashes happened in clear weather (table 4.2)
- 56 percent of New Mexico's fatal crashes happened at night (table 4.3)
- 61 percent of drivers in crashes were male (table 6.1)
- 43 percent of drivers in crashes lived within 25 miles of the crash site (table 6.2)
- Out-of-state drivers constituted 9 percent of drivers in crashes (table 6.2)
- 7 licensed drivers in 100 were involved in crashes (table 6.4)
- Of the people involved in serious crashes, 79 percent were reportedly wearing seatbelts, compared to 76 percent in 1989, and 69 percent in 1988 (table 7.1)
- 722 pedestrians were killed or injured in 681 crashes (table 8.3)
- 10 percent of all crashes involved alcohol, up from 8 percent in 1989, and up from 9 percent in 1988 (table 9.1)
- 18 percent of the drivers in alcohol-involved crashes were less than 21 years old, the same as in 1989, and up from 17 percent in 1988 (table 9.2)
- 42 percent of alcohol-involved crashes happened on Friday or Saturday (table 9.4)
- 48 persons died in motorcycle crashes in New Mexico (table 10.1)
- 90 percent of those who died in motorcycle crashes wore no helmet (table 10.2)

1.2 New Mexico Crashes by Severity, 1990



In 1990.....

A traffic crash occurred every 11 minutes.

One person was injured in a traffic crash every 21 minutes.

One person was killed in a traffic crash every 18 hours.

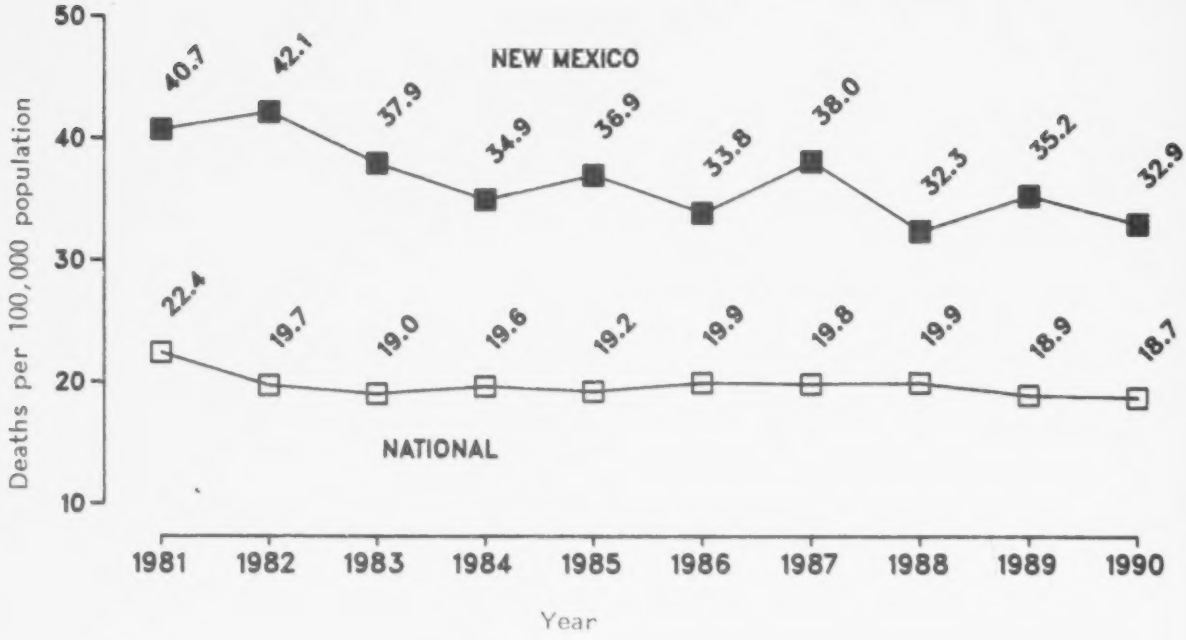
1.3 New Mexico Roadway Statistics, 1981 - 1990

Calendar Year	New Mexico				Death Rates+	
	Motor Vehicle Registrations	MVM Traveled	Traffic Fatalities	Traffic Injuries	New Mexico	United States
1990	1,289,412	17,877*	499	24,904	32.9	18.7
1989	1,242,234	17,625*	538	24,962	35.2	18.9
1988	1,277,110	16,620*	487	26,369	32.3	19.9
1987	1,331,560	13,809	568	26,144	38.0	19.8
1986	1,218,784	13,267	499	24,793	33.8	19.9
1985	1,233,728	13,307	535	24,893	36.9	19.2
1984	1,287,307	12,951	497	24,040	34.9	19.6
1983	1,309,151	12,138	531	23,442	37.9	19.0
1982	1,273,354	11,856	577	23,253	42.1	19.7
1981	1,219,576	11,448	544	23,050	40.7	22.4

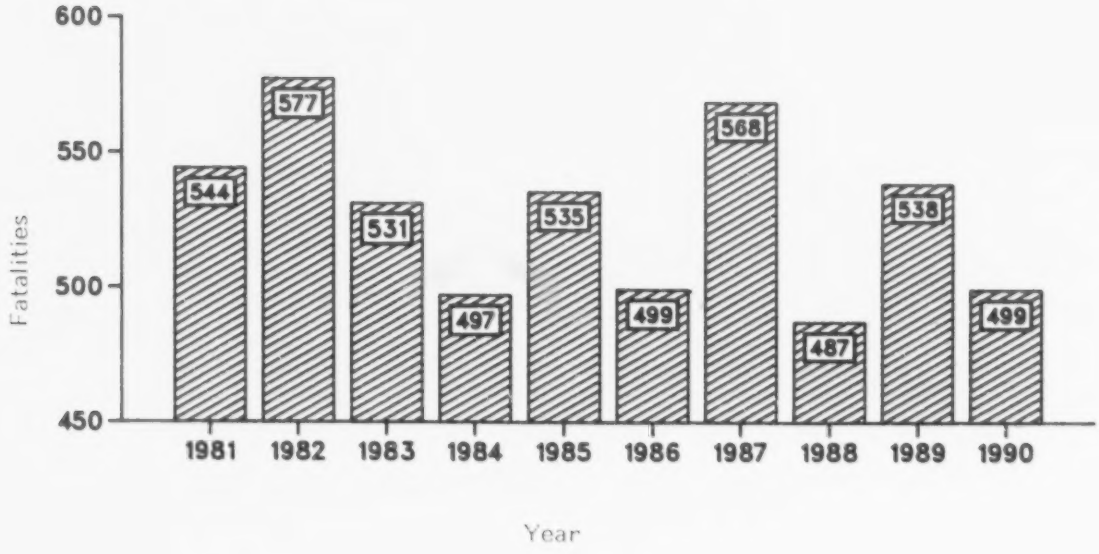
* not comparable to previous years due to changes in traffic volume measurement procedures.

\+ rates are deaths per 100,000 population.

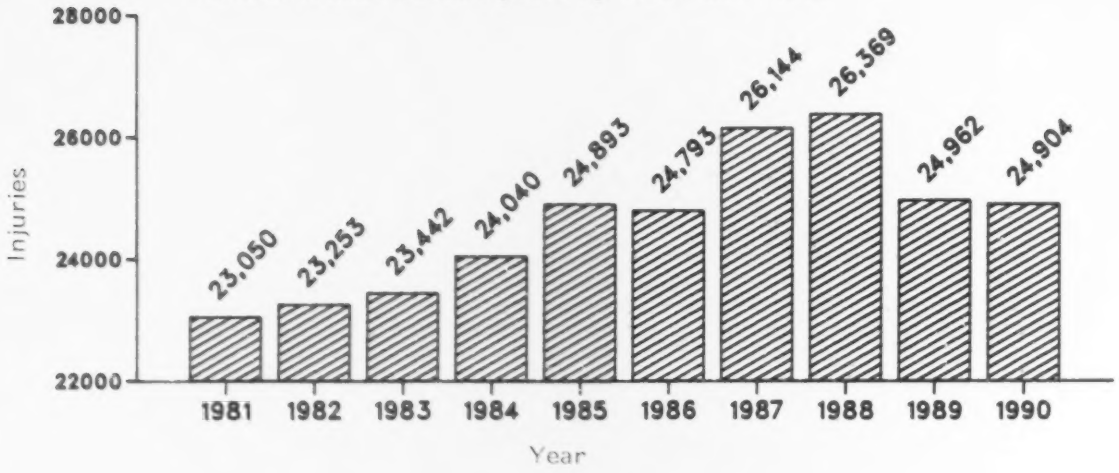
1.4 New Mexico and National Death Rates, 1981 - 1990



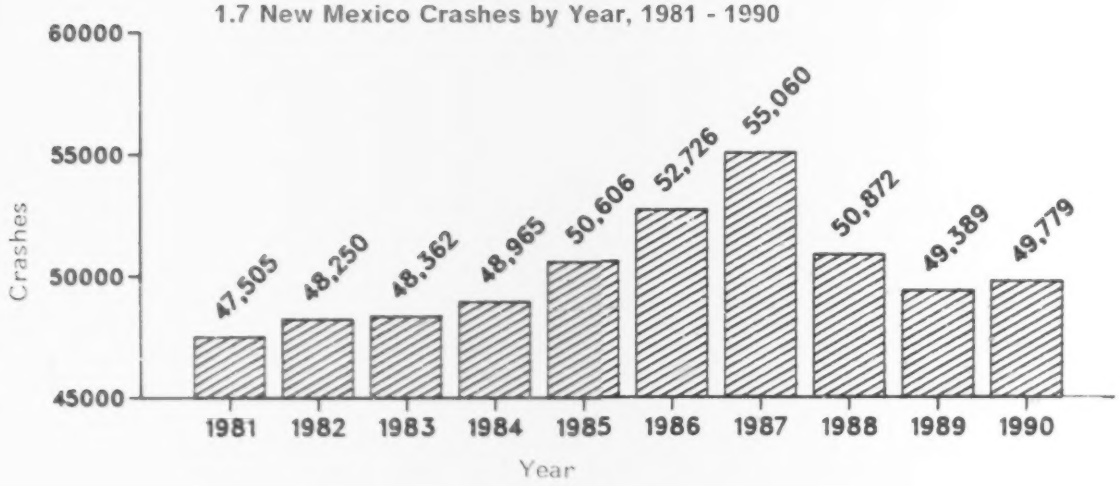
1.5 New Mexico Fatalities by Year, 1981 - 1990



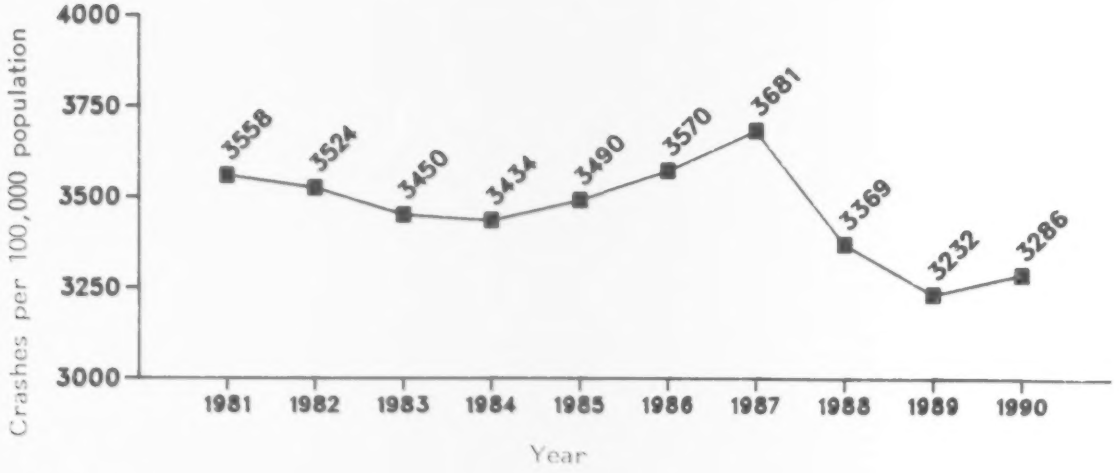
1.6 New Mexico Crash Injuries by Year, 1981 - 1990



1.7 New Mexico Crashes by Year, 1981 - 1990



1.8 New Mexico Crash Rates by Year, 1981 - 1990



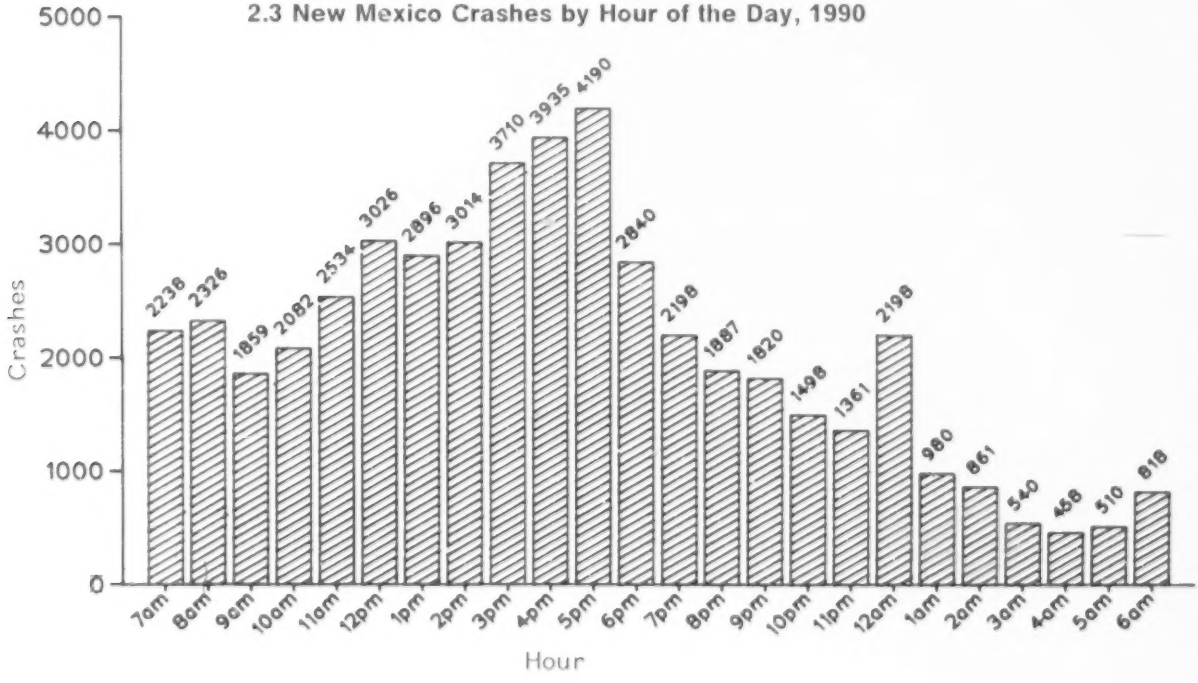
2.1 New Mexico Crashes by Month, 1990

Month	Total	Percent	Fatal	Percent	Total
January	3,905	7.8	25	5.7	
February	3,479	7.0	23	5.2	
March	3,825	7.7	33	7.5	
April	3,828	7.7	36	8.2	
May	4,183	8.4	32	7.3	
June	4,100	8.2	45	10.2	
July	4,181	8.4	56	12.7	
August	4,597	9.2	49	11.1	
September	4,073	8.2	43	9.8	
October	4,381	8.8	36	8.2	
November	4,180	8.4	27	6.1	
December	5,047	10.1	35	8.0	
Total	49,779	100.0	440	100.0	2.000 4.000

2.2 New Mexico Crashes by Day of the Week, 1990

Day	Total	Percent	Fatal	Percent	Total
Sunday	5,247	10.5	73	16.6	
Monday	6,712	13.5	51	11.6	
Tuesday	6,644	13.3	58	13.2	
Wednesday	7,258	14.6	41	9.3	
Thursday	7,228	14.5	53	12.0	
Friday	8,986	18.1	69	15.7	
Saturday	7,704	15.5	95	21.6	
Total	49,779	100.0	440	100.0	2.000 4.000 6.000 8.000

2.3 New Mexico Crashes by Hour of the Day, 1990



2.4 New Mexico's Seven Least Safe Hours of the Week, 1990

Urban				Rural			
Day	Start Time	Crashes	% of total	Day	Start Time	Crashes	% of total
1. Friday	5 p.m.	661	1.7	1. Friday	6 p.m.	112	1.0
2. Friday	4 p.m.	632	1.6	2. Saturday	5 p.m.	104	0.9
3. Friday	3 p.m.	601	1.5	3. Saturday	6 p.m.	103	0.9
4. Wednesday	5 p.m.	583	1.5	4. Friday	3 p.m.	101	0.9
5. Thursday	5 p.m.	572	1.5	5. Saturday	7 p.m.	100	0.9
6. Monday	5 p.m.	529	1.4	6. Friday	5 p.m.	99	0.9
7. Tuesday	4 p.m.	525	1.4	7. Friday	4 p.m.	98	0.9

2.5 New Mexico Crashes During Holiday Periods, 1987 - 1990

Holiday	Total Hours	Beginning (6 p.m.)	Ending (midnight)	Crashes Total	Fatal	Injury	People Killed	Injured
Easter								
1990	54	4/13	4/15	293	7	102	10	178
1989	54	3/24	3/26	221	2	78	2	132
1988	54	4/1	4/3	293	2	100	2	176
1987	54	4/17	4/19	280	3	93	3	143
Memorial Day								
1990	78	5/25	5/28	364	10	133	11	227
1989	78	5/26	5/29	377	6	123	6	206
1988	78	5/27	5/30	373	2	128	2	223
1987	78	5/22	5/25	413	7	142	7	235
July 4th								
1990	30	7/3	7/4	178	4	64	8	119
1989	30	7/3	7/4	136	5	51	7	95
1988	78	7/1	7/4	454	6	163	6	277
1987	78	7/2	7/5	473	9	151	12	245
Labor Day								
1990	78	8/31	9/3	408	4	168	4	272
1989	78	9/1	9/4	407	3	134	3	219
1988	78	9/2	9/5	424	6	143	7	229
1987	78	9/4	9/7	380	8	151	12	245
Thanksgiving								
1990	102	11/21	11/25	457	5	141	6	255
1989	102	11/22	11/26	476	7	149	8	268
1988	102	11/23	11/27	524	3	178	3	311
1987	102	11/25	11/29	519	8	174	10	286
Christmas								
1990	102	12/21	12/25	856	2	196	2	292
1989	78	12/22	12/25	350	4	110	4	199
1988	78	12/23	12/26	408	3	110	3	197
1987	102	12/23	12/27	789	9	212	10	342
New Year's								
1990-1991	102	12/28	1/1/91	479	3	137	3	286
1989-1990	78	12/29	1/1/90	484	7	143	7	218
1988-1989	78	12/30	1/2/89	294	6	105	6	170
1987-1988	102	12/30	1/3/88	521	6	146	6	261

2.6 New Mexico Fatalities by Day, 1990

January

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1: 1	2: 3	3: 2	4	5	6
7	8	9: 3	10: 1	11: 1	12: 1	13: 1
14	15: 3	16	17: 1	18	19	20: 1
21: 1	22: 1	23	24	25: 1	26: 2	27: 2
28: 1	29: 1	30	31			

February

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1: 2	2: 3	3: 4
4	5: 1	6	7: 1	8	9	10: 1
11: 2	12	13: 1	14: 1	15: 1	16	17
18: 1	19	20	21	22: 1	23	24: 3
25: 1	26: 1	27	28: 1			

March

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1: 2	2: 4	3
4: 3	5: 1	6: 1	7	8: 3	9: 1	10: 2
11	12: 1	13: 1	14	15	16	17: 1
18	19	20	21	22: 1	23: 1	24: 2
25: 2	26: 1	27: 4	28	29: 1	30	31: 5

April

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1: 4	2: 3	3	4: 3	5	6	7
8: 1	9	10: 2	11: 1	12: 3	13: 1	14: 3
15: 6	16: 2	17: 1	18	19	20	21: 5
22: 1	23	24	25	26	27: 2	28: 2
29: 1	30					

May

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1: 3	2	3	4: 1	5: 1
6: 2	7: 2	8: 2	9: 1	10: 3	11: 1	12: 2
13	14	15	16: 1	17	18	19: 1
20: 1	21	22: 1	23: 1	24	25	26: 3
27: 5	28: 3	29: 1	30: 1	31: 1		

June

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1: 2	2: 1
3: 1	4	5: 2	6	7: 1	8: 3	9: 3
10: 1	11: 4	12: 2	13	14: 2	15	16: 3
17: 3	18: 1	19	20	21: 1	22: 3	23: 2
24: 8	25: 1	26: 1	27: 1	28	29: 2	30: 1

July

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1: 2	2: 2	3: 3	4: 8	5: 1	6: 3	7: 4
8: 1	9: 3	10: 4	11	12: 2	13: 1	14: 3
15	16	17	18: 2	19: 3	20: 2	21: 4
22: 3	23: 1	24: 3	25: 1	26	27: 5	28: 3
29: 1	30	31				

August

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2: 4	3: 6	4: 2
5	6: 6	7: 2	8	9: 4	10: 2	11: 3
12	13	14: 4	15: 2	16: 2	17: 1	18
19: 2	20: 2	21: 2	22: 3	23: 1	24: 1	25: 3
26: 2	27: 1	28: 1	29	30: 1	31	

September

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1: 1
2: 2	3: 1	4: 1	5	6: 3	7: 3	8: 4
9: 3	10	11: 1	12	13	14: 1	15: 4
16: 1	17	18: 2	19: 2	20: 1	21: 2	22: 5
23	24: 1	25: 1	26: 6	27	28	29: 2
30: 1						

October

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1: 1	2: 1	3: 1	4	5: 1	6: 2
7: 3	8: 2	9: 2	10: 1	11	12: 1	13: 2
14: 4	15	16: 3	17: 1	18: 2	19: 1	20
21: 2	22	23: 1	24: 1	25	26: 2	27
28: 1	29: 1	30	31: 2			

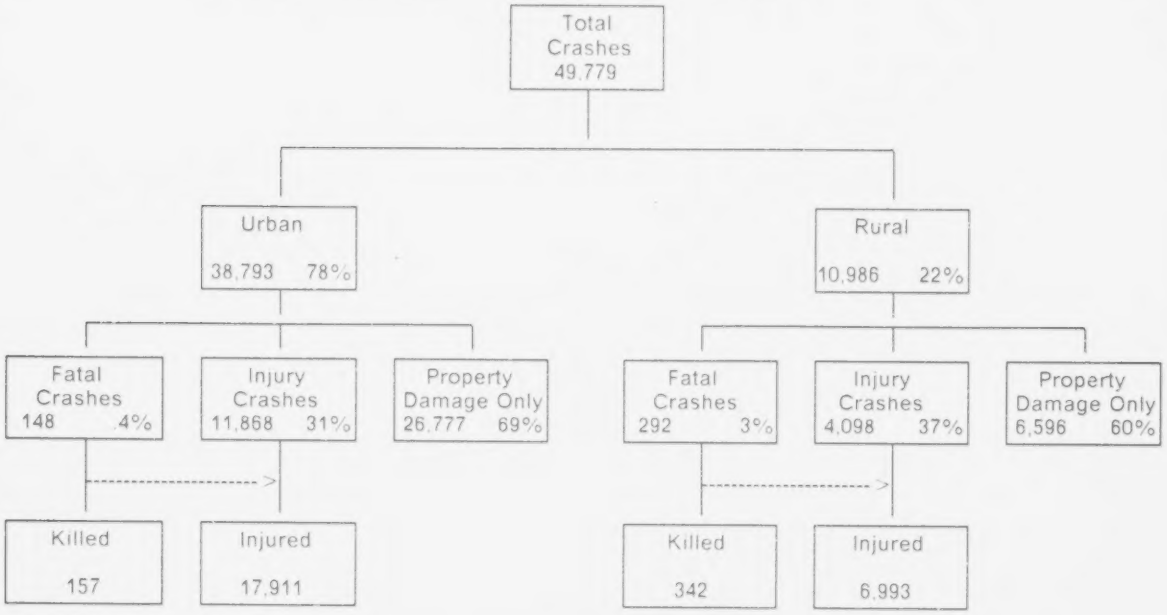
November

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1: 2	2: 3	3: 2
4: 2	5	6: 1	7	8: 4	9: 3	10
11	12	13: 1	14	15	16: 5	17: 1
18	19	20: 1	21: 1	22: 2	23: 1	24: 2
25	26: 1	27: 1	28	29	30: 1	

December

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1: 2
2: 3	3: 1	4: 1	5	6	7: 2	8: 3
9	10: 1	11	12	13	14: 2	15: 3
16: 5	17: 2	18: 1	19	20: 3	21: 1	22
23: 1	24	25	26: 2	27: 5	28: 1	29
30	31: 2					

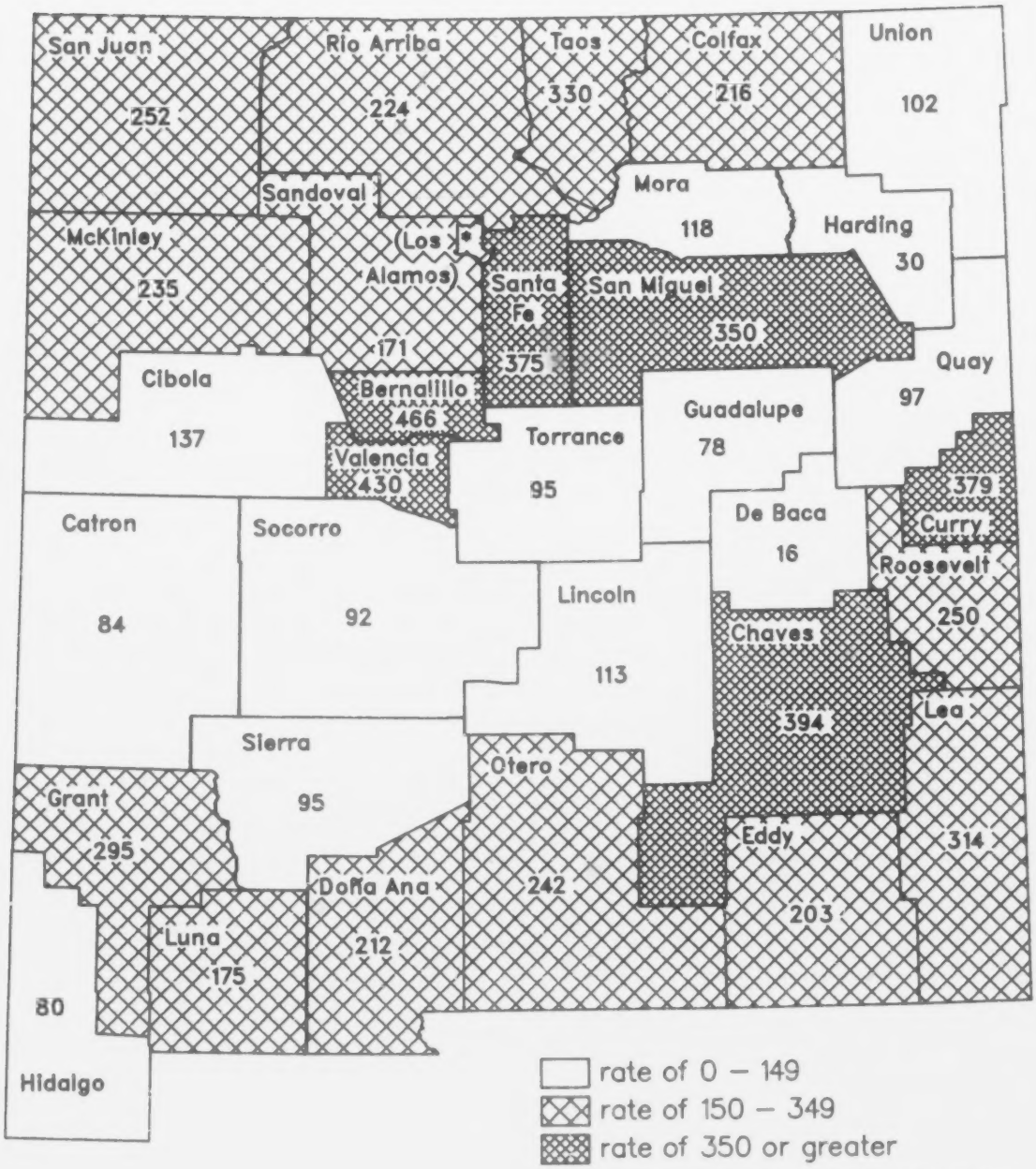
3.1 New Mexico Crashes by Road System, 1990



3.2 New Mexico Crashes by County, 1990

County	Crashes				People		Rates		100 MVM
	Total	Fatal	Injury	Property damage	Killed	Injured	Crash rate	Death rate	
Bernalillo	19,163	79	6,275	12,809	82	9,432	465.57	1.99	41.16
Catron	107	3	25	79	4	44	83.59	3.13	1.28
Chaves	1,645	12	545	1,088	16	858	394.48	3.84	4.17
Cibola	715	10	228	477	12	366	137.24	2.30	5.21
Colfax	511	6	111	394	6	175	215.61	2.53	2.37
Curry	1,065	8	277	780	9	434	379.00	3.20	2.81
De Baca	25	2	12	11	2	25	15.63	1.25	1.60
Dona Ana	3,373	30	1,134	2,209	32	1,751	212.01	2.01	15.91
Eddy	1,371	9	411	951	10	630	203.41	1.48	6.74
Grant	827	6	262	559	7	383	295.36	2.50	2.80
Guadalupe	274	5	106	163	6	172	78.06	1.71	3.51
Harding	6	0	1	5	0	1	30.00	0.00	0.20
Hidalgo	176	10	56	110	12	102	79.64	5.43	2.21
Lea	1,393	9	421	963	11	675	313.74	2.48	4.44
Lincoln	493	11	150	332	12	230	113.33	2.76	4.35
Los Alamos	381	0	105	276	0	154	225.44	0.00	1.69
Luna	551	13	170	368	14	267	175.48	4.46	3.14
McKinley	2,241	42	595	1,604	45	1,029	235.15	4.72	9.53
Mora	100	6	32	62	7	55	117.65	8.24	0.85
Otero	1,215	11	374	830	12	553	242.03	2.39	5.02
Quay	340	7	110	223	7	183	96.87	1.99	3.51
Rio Arriba	1,028	20	387	621	26	665	224.45	5.68	4.58
Roosevelt	425	6	116	303	8	204	250.00	4.71	1.70
Sandoval	1,078	21	372	685	28	611	171.38	4.45	6.29
San Juan	2,968	36	948	1,984	39	1,518	252.17	3.31	11.77
San Miguel	1,052	12	305	735	16	486	349.50	5.32	3.01
Santa Fe	4,225	23	1,452	2,750	26	2,270	375.22	2.31	11.26
Sierra	289	3	79	207	3	107	94.75	0.98	3.05
Socorro	463	6	125	332	8	204	92.42	1.60	5.01
Taos	683	12	219	452	14	333	329.95	6.76	2.07
Torrance	333	9	123	201	11	241	94.87	3.13	3.51
Union	145	4	40	101	5	76	102.11	3.52	1.42
Valencia	1,118	9	400	709	9	670	430.00	3.46	2.60
Total	49,779	440	15,966	33,373	499	24,904	278.45	2.79	178.77

3.3 New Mexico Crash Rates by County, 1990



* Los Alamos County rate is 225

3.4 New Mexico Crashes on Pueblos and Reservations, 1990

Pueblo or Reservation	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Acoma	56	2	18	36	2	25
Alamo Navajo	7	0	5	2	0	6
Cochiti	8	0	5	3	0	8
Isleta	81	4	24	53	4	44
Jemez	19	1	9	9	2	20
Jicarilla Apache	14	1	3	10	1	6
Laguna	163	4	69	90	6	115
Mescalero Apache	61	2	25	34	2	38
Nambe	6	0	3	3	0	5
Navajo	482	14	181	287	16	319
Picuris	18	0	8	10	0	9
Pojoaque	64	2	33	29	2	61
Ramah Navajo	27	1	5	21	1	10
Sandia	55	3	23	29	3	30
San Felipe	47	4	25	18	4	36
San Ildefonso	34	3	14	17	3	25
San Juan	47	6	25	16	6	52
Santa Ana	20	1	11	8	2	29
Santa Clara	52	0	19	33	0	28
Santo Domingo	31	0	13	18	0	20
Taos Pueblo	6	0	2	4	0	2
Tesuque	38	0	24	14	0	33
Zia	10	2	0	8	3	5
Zuni	145	7	52	86	8	90

3.5 Crash Rates for Selected New Mexico Cities, 1990

City	Crashes		Rates@		Estimated 1990 Population +
	Total	Fatal and Injury*	Total	Fatal and Injury*	
Alamogordo	792	125	2.87	0.45	27,596
Albuquerque	18,644	2,775	4.85	0.72	384,736
Artesia	262	30	2.47	0.28	10,610
Aztec	166	17	3.03	0.31	5,479
Belen	338	38	5.16	0.58	6,547
Bloomfield	125	15	2.40	0.29	5,214
Carlsbad	817	115	3.27	0.46	24,952
Clovis	910	108	2.94	0.35	30,954
Deming	336	53	3.06	0.48	10,970
Espanola	556	79	6.63	0.94	8,389
Farmington	1,573	210	4.63	0.62	33,997
Gallup	1,131	134	5.90	0.70	19,154
Grants	258	39	2.99	0.45	8,626
Hobbs	838	159	2.88	0.55	29,115
Las Cruces	2,302	383	3.71	0.62	62,126
Las Vegas	768	89	5.21	0.60	14,753
Los Alamos	366	52	2.02	0.29	18,115
Los Lunas	262	45	4.36	0.75	6,013
Lovington	239	44	2.56	0.47	9,322
Portales	297	46	2.78	0.43	10,690
Raton	230	16	3.12	0.22	7,372
Rio Rancho	471	69	1.45	0.21	32,505
Roswell	1,329	257	2.98	0.58	44,654
Ruidoso	198	37	4.30	0.80	4,600
Santa Fe	3,109	475	5.57	0.85	55,859
Silver City	456	59	4.27	0.55	10,683
Socorro	225	20	2.76	0.25	8,159
Sunland Park	93	16	1.14	0.20	8,179
Taos	177	29	4.35	0.71	4,065
T or C	165	26	2.65	0.42	6,221
Tucumcari	170	23	2.49	0.34	6,831

+ Population estimates are from Bureau of the Census data that are to be published in the P-26 series.

* Fatal and injury crashes include fatal, incapacitating, and visible injury crashes.

@ Rates are crashes per 100 residents.

3.6 New Mexico Crashes by City, 1990

City	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Alamogordo	792	0	212	580	0	291
Albuquerque	18,644	65	6,101	12,478	67	9,140
Anthony	62	0	14	48	0	21
Artesia	262	0	51	211	0	67
Aztec	166	1	38	127	1	49
Bayard	54	1	15	38	1	25
Belen	338	2	103	233	2	161
Bernalillo	82	1	18	63	2	29
Bloomfield	125	0	26	99	0	41
Bosque Farms	72	0	22	50	0	35
Capitan	3	0	1	2	0	1
Carlsbad	817	3	234	580	3	353
Carrizozo	15	0	4	11	0	8
Causey	1	0	0	1	0	0
Central	18	0	6	12	0	13
Chama	1	0	0	1	0	0
Cimarron	18	0	2	16	0	3
Clayton	61	0	14	47	0	18
Cloudcroft	8	0	3	5	0	4
Clovis	910	4	206	700	4	304
Columbus	4	0	0	4	0	0
Corona	1	0	1	0	0	1
Corrales	75	0	17	58	0	31
Cuba	14	0	4	10	0	8
Deming	336	2	93	241	2	138
Des Moines	2	0	0	2	0	0
Dexter	4	0	1	3	0	4
Dora	1	0	0	1	0	0
Elida	5	0	2	3	0	3
Encino	3	0	2	1	0	2
Espanola	556	6	206	344	6	353
Estancia	2	0	0	2	0	0
Eunice	40	0	4	36	0	4
Farmington	1,573	5	463	1,105	5	736
Folsom	1	0	1	0	0	1
Fort Sumner	1	0	0	1	0	0
Gallup	1,131	9	241	881	10	382
Grants	258	2	65	191	2	104
Hagerman	1	0	0	1	0	0
Hatch	15	0	4	11	0	4
Hobbs	838	2	262	574	2	404
Hope	1	0	0	1	0	0
Hurley	6	0	3	3	0	4
Jal	20	0	4	16	0	6
Jemez Springs	1	0	0	1	0	0
Lake Arthur	3	0	0	3	0	0
Las Cruces	2,302	13	702	1,587	14	1,018
Las Vegas	768	0	186	582	0	282

3.6 New Mexico Crashes By City, 1990

City	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Logan	15	0	1	14	0	2
Lordsburg	57	1	12	44	1	16
Los Alamos	366	0	99	267	0	145
Los Lunas	262	1	101	160	1	172
Loving	3	0	0	3	0	0
Lovington	239	0	65	174	0	110
Magdalena	10	0	2	8	0	4
Maxwell	8	0	0	8	0	0
Melrose	6	0	1	5	0	2
Milan	48	0	11	37	0	17
Moriarty	42	1	15	26	1	26
Mountainair	3	0	1	2	0	1
Pecos	2	0	2	0	0	3
Portales	297	2	65	230	3	107
Questa	12	1	3	8	1	3
Raton	230	0	42	188	0	54
Red River	26	0	3	23	0	4
Reserve	5	0	1	4	0	1
Rio Rancho	471	1	157	313	1	228
Roswell	1,329	4	426	899	4	653
Ruidoso	198	1	61	136	1	83
Ruidoso Downs	20	0	2	18	0	3
San Jon	3	0	0	3	0	0
San Ysidro	1	0	1	0	0	3
Santa Fe	3,109	7	1,029	2,073	10	1,594
Santa Rosa	59	1	10	48	1	13
Shiprock	156	6	56	94	6	82
Silver City	456	1	143	312	1	200
Socorro	225	0	33	192	0	53
Springer	23	0	2	21	0	2
Sunland Park	93	0	29	64	0	45
Taos	177	1	54	122	1	84
Tatum	15	0	2	13	0	2
Texico	23	1	5	17	1	14
Tijeras	20	1	6	13	1	6
T or C	165	0	39	126	0	46
Tucumcari	170	1	45	124	1	66
Tularosa	28	1	9	18	1	14
Vaughn	2	0	1	1	0	1
Willard	4	0	2	2	0	3
Williamsburg	4	0	1	3	0	1

3.7 New Mexico's Seven Highest Fatal and Injury Crash Intersections, 1990

Intersection	City	Crashes		
		Total	Fatal	Injury
1. Montgomery at San Mateo	Albuquerque	134	1	48
2. Montgomery at Wyoming	Albuquerque	109	0	31
3. Juan Tabo at Lomas	Albuquerque	99	0	31
4. Lomas at Wyoming	Albuquerque	64	0	31
5. Airport at Cerrillos	Santa Fe	63	0	31
6. Central at Coors	Albuquerque	59	0	29
7. Fairview at Riverside	Espanola	52	0	29

New Mexico intersections are ranked by the total number of fatal and injury crashes for 1990.

3.8 New Mexico's Seven Highest-crash Rural Highway Segments, 1990

Highway	Mile post	County	Crashes			
			Total	Fatal	Injury	Alcohol
1. NM 76	1.6 to 11.6	Rio Arriba	108	0	48	28
2. US 84	170.9 to 180.9	Santa Fe	74	0	43	8
3. NM 47	20.0 to 30.0	Valencia	67	0	20	11
4. US 64	32.7 to 42.7	San Juan	66	4	36	24
5. US 84	180.9 to 188.5	Santa Fe	54	1	27	5
6. US 64	51.7 to 61.7	San Juan	53	2	20	12
7. NM 47	30.0 to 40.0	Bernalillo	50	3	18	13

This highway segment ranking was done on the basis of total crashes and therefore does not necessarily correspond to the most heavily traveled segments. Crash counts are for 1990.

4.1 New Mexico Crashes by Class, 1990

Class	Crashes					People	
	Total	% of Total	Fatal	% of Fatal	Injury	Killed	Injured
Other vehicle	32,280	65	124	28	10,571	161	17,464
Pedestrian	681	1	80	18	584	80	626
Fixed object	7,161	14	47	11	2,025	51	2,750
Veh. on other road	6	0	4	1	2	5	14
Parked vehicle	4,233	9	11	3	328	12	425
Overturn	3,351	7	153	35	1,800	168	2,867
Other non-collision	601	1	11	3	159	11	191
Pedalcyclist	406	1	5	1	357	5	376
Railroad train	22	0	1	0	11	1	12
Animal	938	2	3	1	114	3	161
Other object	98	0	1	0	15	2	18
Total	49,777	100	440	100	15,966	499	24,904

The number of people injured in pedalcyclist crashes decreased 11 percent from 1989 to 1990.

4.2 New Mexico Crashes by Weather, 1990

Weather Conditions	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Clear	43,614	401	14,124	29,089	455	22,022
Rain	3,027	22	990	2,015	24	1,596
Snow,Sleet	2,000	8	508	1,484	11	756
Fog	165	2	46	117	2	77
Dust,Wind	570	6	183	381	6	281
Other	364	1	105	258	1	158
Total	49,740	440	15,956	33,344	499	24,890

4.3 New Mexico Crashes by Lighting, 1990

Light Conditions	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Daylight	34,145	195	10,786	23,164	225	16,635
Dawn	557	10	165	382	10	250
Dusk	1,451	4	472	975	4	740
Dark,Lighted	6,777	57	2,210	4,510	61	3,552
Dark,Unlighted	6,772	174	2,317	4,281	199	3,704
Other,Unknown	28	0	3	25	0	4
Total	49,730	440	15,953	33,337	499	24,885

4.4 New Mexico Fixed Object Crashes, 1990

Object	Crashes			People	
	Total	Fatal	Injury	Killed	Injured
Barricade	24	0	11	0	15
Bridge or pier	51	0	20	0	27
Building	180	3	42	3	55
Cattle guard	32	0	9	0	16
Culvert or Drain	90	1	48	1	64
Embankment	596	9	232	11	354
Fence	1,785	2	386	2	496
Guard Rail or Post	712	11	268	12	372
Median or curb	814	1	219	1	269
Sign, pole, meter, hydrant	1,440	8	367	8	465
Tree	349	8	138	8	214
Other or unknown	1,088	4	285	5	403
Total	7,161	47	2,025	51	2,750

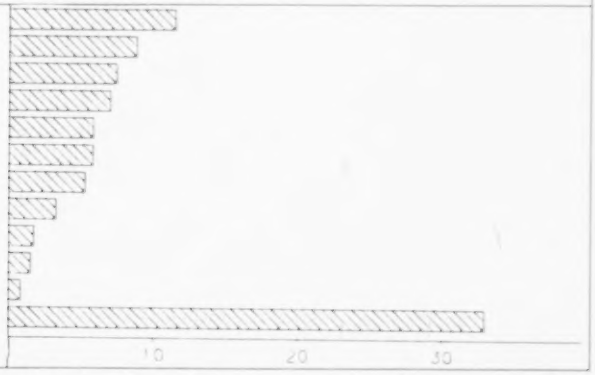
There were 8 percent more people injured in fixed object crashes in 1990 than in 1989.

4.5 New Mexico Hit and Run Crashes, 1986 - 1990

Year	Crashes			People	
	Total	Fatal	Injury	Killed	Injured
1990	6,416	17	1,080	18	1,472
1989	6,296	22	1,133	22	1,494
1988	7,160	4	1,242	4	1,714
1987	7,646	23	1,161	25	1,551
1986	7,165	25	1,082	26	1,409

4.6 New Mexico Crash Contributing Factors, 1990

Contributing factor	Percent of involvements
Driver inattention	11.4
Follow too close	8.8
Excessive speed	7.4
Failure to yield	7.0
Alcohol involved	5.8
Improper turn	5.8
Other improper driving	5.2
Disregard traffic control	3.2
Mechanical defects	1.7
Drove left of center	1.5
Improper overtaking	0.8
Other	32.9



More than one contributing factor may be coded for each vehicle in a crash. The percent shown here is the percent of all contributing factors coded.

4.7 New Mexico Crashes Involving Vehicle or Road Defects, 1984 - 1990

Year	All crashes	Vehicle defects	% with vehicle defects	Road defects	% with road defects
1990	49,779	1,498	3.0	760	1.5
1989	49,389	1,183	2.4	249	0.5
1988	50,872	1,269	2.5	336	0.7
1987	55,060	1,670	3.0	625	1.1
1986	52,726	1,833	3.5	425	0.8
1985	50,606	2,103	4.2	470	0.9
1984	48,965	2,147	4.4	481	1.0

5.1 New Mexico Crash Involvements by Vehicle Type, 1990

Vehicle type	Total	Fatal	Injury	Total involvements
Passenger car	51,112	276	17,087	
Pickup	22,213	179	6,895	
Semi	1,830	37	529	
Bus	811	5	219	
Motorcycle	1,158	44	907	
Pedalcyclist	414	5	363	
Pedestrian	732	83	631	
Van or 4WD	6,336	42	1,965	
Other	6,112	25	1,069	
Total	90,718	696	29,665	20,000 40,000

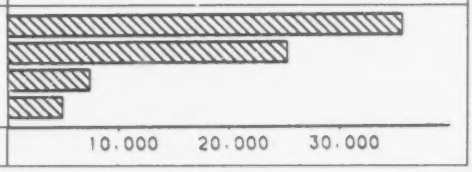
Crashes involving vans or 4WDs increased by 6 percent and crashes involving buses increased by 12 percent from 1989 to 1990.

6.1 New Mexico Crash Driver Age and Sex, 1990

Age	Total	Male	Female	Total
Under 15	2,740	1,730	1,010	
15-19	12,434	7,486	4,948	
20-24	11,382	7,126	4,256	
25-29	10,823	6,771	4,052	
30-34	9,609	5,758	3,851	
35-39	7,992	4,741	3,251	
40-44	6,431	3,812	2,619	
45-49	4,270	2,547	1,723	
50-54	3,195	1,940	1,255	
55-59	2,658	1,684	974	
60-64	2,435	1,585	850	
Over 64	5,762	3,633	2,129	
Total	79,731	48,813	30,918	5,000 10,000 Male Female

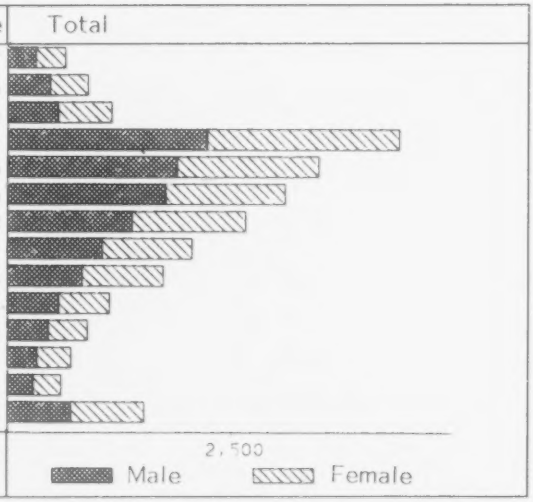
6.2 New Mexico Crash Driver Residence, 1990

Residence	Total	Fatal	Injury
Local	35,725	187	13,357
Elsewhere in NM	25,323	246	8,834
Outside NM	7,444	115	2,625
Unknown	4,957	83	1,977
Total	73,449	631	26,793



6.3 New Mexico Crash Occupant Age and Sex, 1990

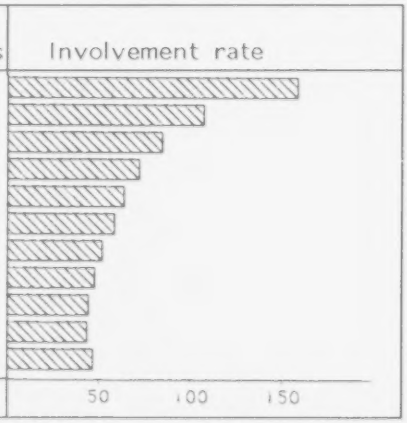
Age	Total	Male	Female
0- 4	641	314	327
5- 9	894	474	420
10-14	1,162	563	599
15-19	4,376	2,227	2,149
20-24	3,476	1,896	1,580
25-29	3,096	1,766	1,330
30-34	2,656	1,390	1,266
35-39	2,059	1,058	1,001
40-44	1,739	834	905
45-49	1,141	573	568
50-54	893	458	435
55-59	708	331	377
60-64	597	290	307
Over 64	1,527	706	821
Total	24,965	12,880	12,085



These are counts of people killed or injured in fatal and injury crashes.

6.4 New Mexico Driver Involvement Rates in Crashes, 1990

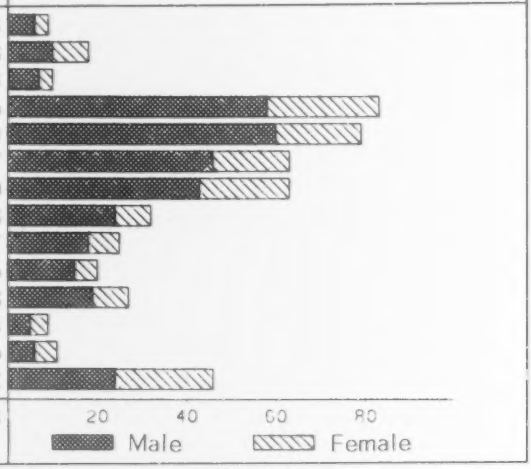
Age	Driver involvements	July 90 drivers	Inv. per 1,000 drivers
15-19	12,434	78,509	158.38
20-24	11,382	106,047	107.33
25-29	10,823	128,013	84.55
30-34	9,609	133,622	71.91
35-39	7,992	125,706	63.58
40-44	6,431	110,249	58.33
45-49	4,270	82,530	51.74
50-54	3,195	67,101	47.61
55-59	2,658	59,919	44.36
60-64	2,435	55,838	43.61
Over 64	5,762	123,385	46.70
Total	76,991	1,070,919	71.89



The driver involvement rate for ages 40 through 44 increased 3 percent from 1989 to 1990.

6.5 New Mexico Fatalities by Age and Sex, 1990

Age	Total	Male	Female
0- 4	9	6	3
5- 9	18	10	8
10-14	10	7	3
15-19	83	58	25
20-24	79	60	19
25-29	63	46	17
30-34	63	43	20
35-39	32	24	8
40-44	25	18	7
45-49	20	15	5
50-54	27	19	8
55-59	9	5	4
60-64	11	6	5
Over 64	46	24	22
Total	495*	341	154



*This total is not 499 fatalities due to missing information for age and sex.

The number of fatalities for ages 30 through 34 increased 29 percent from 1989 to 1990.

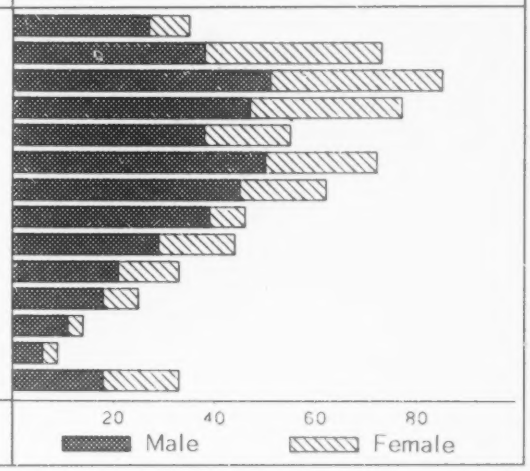
7.1 New Mexico Crash Seatbelt Usage and Injuries, 1990

Injury	Belt worn Number	Belt worn Percent	Belt not worn Number	Belt not worn Percent	Total Number	Total Percent
Killed	70	0.2	260	3.0	330	0.8
Incapacitating injury	3,115	9.4	1,877	21.6	4,992	11.9
Visible injury	2,991	9.0	1,706	19.6	4,697	11.2
Complaint of injury	9,912	29.9	1,750	20.1	11,662	27.9
Unhurt	17,093	51.5	3,095	35.6	20,188	48.2
Total	33,181	100.0	8,688	100.0	41,869	100.0

These are counts of occupants of passenger cars, pickups, vans or four-wheel drive vehicles in fatal and injury crashes. The mandatory seatbelt law for passenger-car drivers and front-seat passengers in cars became effective January 1, 1986. This law also includes pickup and van drivers and front-seat passengers in these vehicles as of June 16, 1989. The fine for non-compliance is $25.00. This may have caused some people in less severe crashes to report wearing seatbelts when they were not.

8.1 New Mexico Pedestrians in Crashes, 1990

Age	Total Killed	Total Inj.	Male Killed	Male Inj.	Female Killed	Female Inj.
0- 4	2	33	2	25	0	8
5- 9	4	69	3	35	1	34
10-14	1	84	1	50	0	34
15-19	10	67	7	40	3	27
20-24	9	46	7	31	2	15
25-29	14	58	11	39	3	19
30-34	13	49	10	35	3	14
35-39	7	39	5	34	2	5
40-44	3	41	3	26	0	15
45-49	6	27	5	16	1	11
50-54	6	19	5	13	1	6
55-59	2	12	2	9	0	3
60-64	2	7	1	5	1	2
Over 64	2	31	2	16	0	15
Total	81	582	64	374	17	208

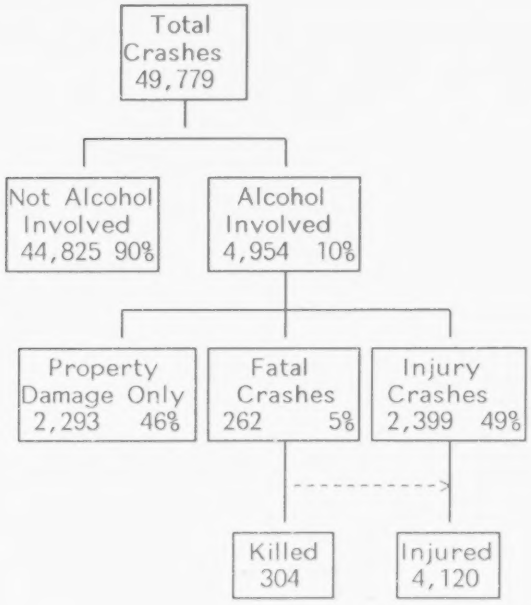


8.2 Seven Worst Counties per Pedestrian Death Rate, 1990

County	Pedestrians in crashes Total	Killed	Injured	Deaths per 100 MVM
McKinley	75	14	59	1.47
San Juan	58	17	40	1.44
Valencia	10	2	7	0.77
Curry	11	2	8	0.71
Rio Arriba	18	3	15	0.66
Otero	32	3	29	0.60
Dona Ana	58	9	48	0.57

8.3 New Mexico Alcohol-involved Pedestrian Crashes, 1990

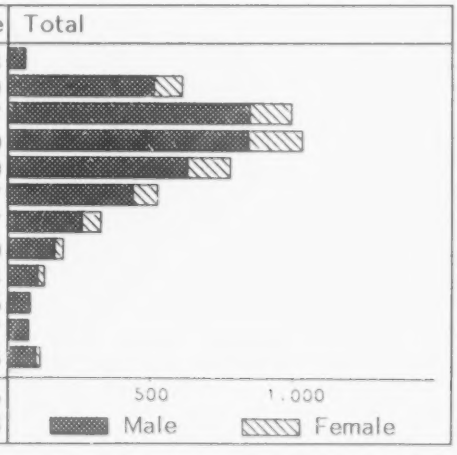
9.1 New Mexico Crashes by Alcohol Involvement, 1990



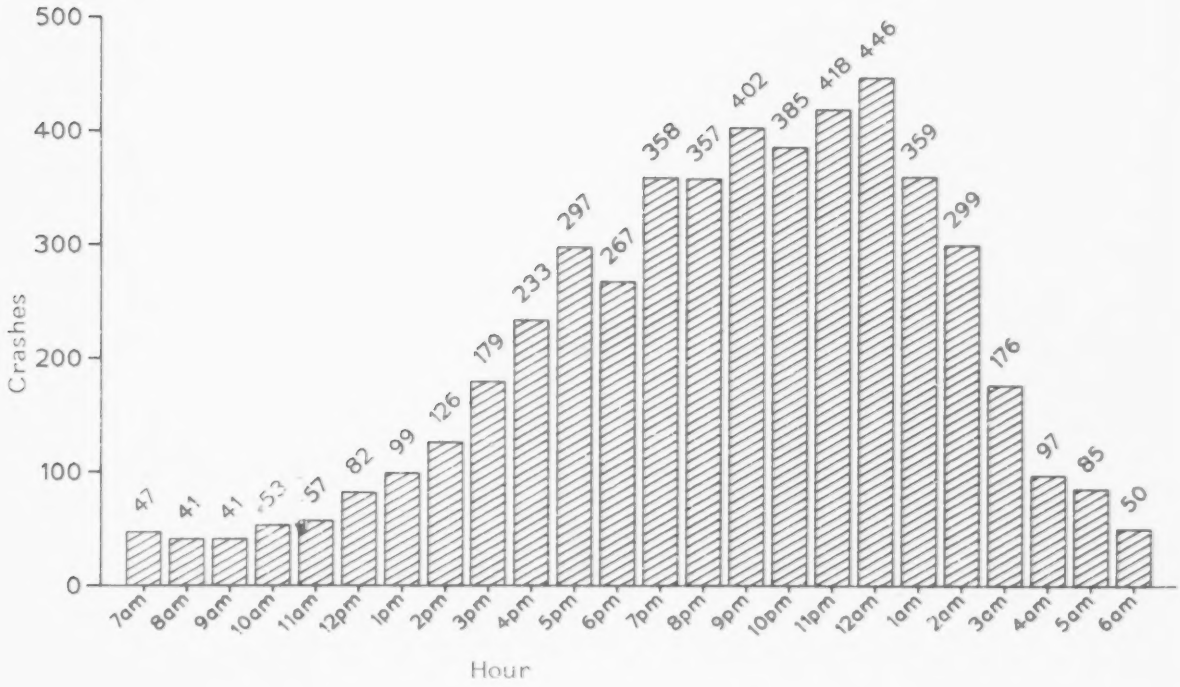
In 1990.....
An alcohol-involved crash occurred every 106 minutes.
One person was killed in an alcohol-involved crash every 29 hours.
One person was injured in an alcohol-involved crash every 2 hours.

9.2 New Mexico Alcohol-involved Drivers in Crashes by Age and Sex, 1990

Age	Total	Male	Female
Under 15	75	62	13
15-19	612	513	99
20-24	997	850	147
25-29	1,035	845	190
30-34	781	631	150
35-39	526	439	87
40-44	327	260	67
45-49	195	165	30
50-54	129	105	24
55-59	93	78	15
60-64	80	73	7
Over 64	114	98	16
Total	4,964	4,119	845
Under 21	881	745	136



9.3 New Mexico Alcohol-involved Crashes by Hour of the Day, 1990

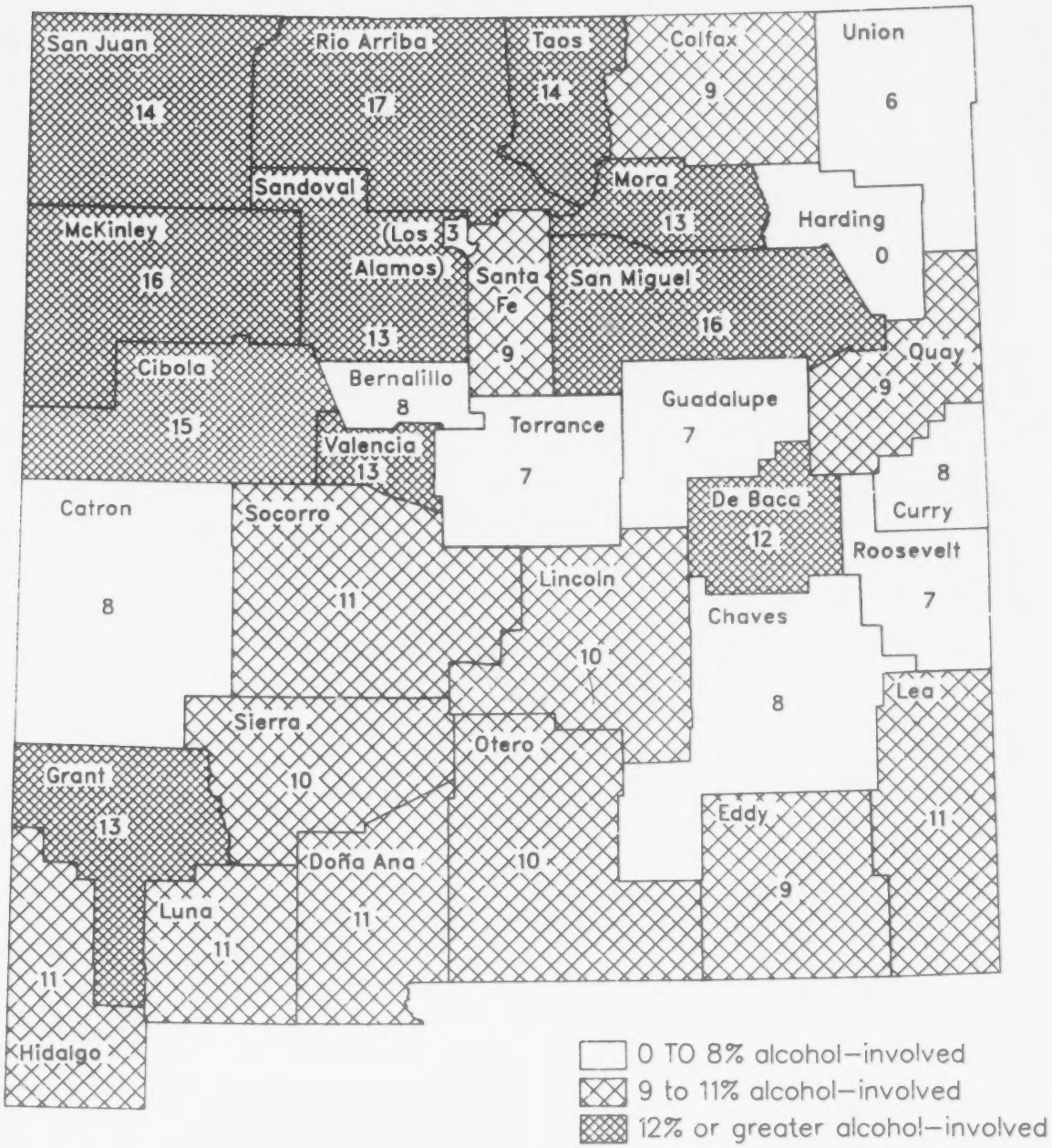


9.4 New Mexico Alcohol-involved Crashes by Day of the Week, 1990

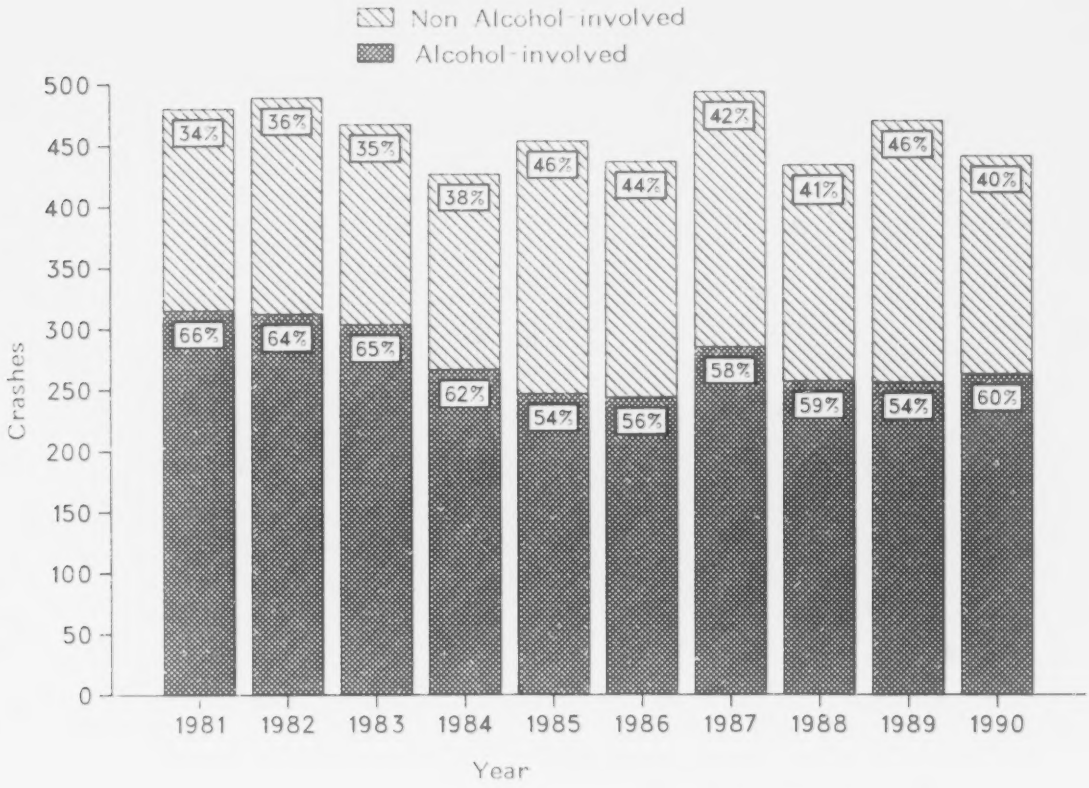
Day	Total	Fatal	Injury	Total
Sunday	841	47	408	
Monday	452	25	225	
Tuesday	453	32	209	
Wednesday	547	20	284	
Thursday	577	30	272	
Friday	881	43	434	
Saturday	1,203	65	567	
Total	4,954	262	2,399	500 1,000

Almost half of the alcohol-involved crashes on Sunday occurred before 5 a.m.

9.5 Percent Alcohol-involved Crashes by County, 1990



9.6 New Mexico Fatal Alcohol-involved Crashes by Year, 1981 - 1990



10.1 Riders in New Mexico Motorcycle Crashes, 1981 - 1990

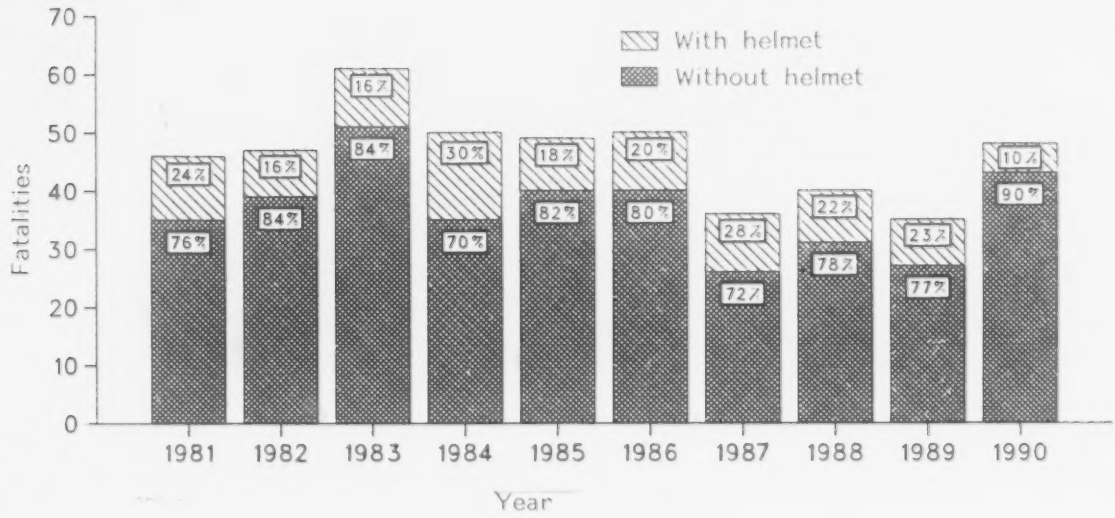
Year	Number of occupants	Number of fatalities	Motorcycle registrations
1990	1,339	48	30,696*
1989	1,525	35	38,528*
1988	1,577	40	35,400*
1987	1,811	36	40,127*
1986	2,112	50	42,152*
1985	2,334	49	52,236
1984	2,289	50	56,148
1983	2,499	61	58,217
1982	1,950	47	60,200
1981	2,022	46	52,810

* These figures are not comparable to other years due to a reporting change at the Motor Vehicle Division.

10.2 Riders' Helmet Usage and Injuries in New Mexico, 1990

Injury	With helmet	Without helmet	Total
Killed	5	43	48
Incapacitating	127	278	405
Visible injury	136	317	453
Complaint	61	103	164
Unhurt	70	199	269
Total	399	940	1,339

10.3 New Mexico Motorcycle Fatalities, 1981 - 1990



10.4 New Mexico Motorcycle Involvements by Class, 1990

Class	Total	Fatal	Injury	Total
Other vehicle	633	20	485	
Overturn	247	4	223	
Fixed object	152	14	112	
Parked vehicle	50	1	22	
Other non-collision	31	2	24	
Animal	21	1	19	
Pedalcyclist	6	1	5	
Other object	4	1	3	
Pedestrian	3	0	3	
Total	1,147	44	896	200 400 600

10.5 New Mexico Motorcycle Crash Driver Age, 1990

Age	Motorcycles			People	
	Total	Fatal	Injury	Killed	Injured
Under 15	104	2	46	3	53
15-19	184	6	145	6	172
20-24	250	6	201	6	226
25-29	208	11	176	13	200
30-34	150	6	120	6	130
35-39	107	8	83	9	93
40-44	67	2	59	2	67
45-49	33	2	30	2	35
50-54	22	0	18	0	21
55-59	19	0	17	0	20
60-64	5	0	5	0	5
Over 64	9	1	7	1	8
Total	1,158	44	907	48	1,030

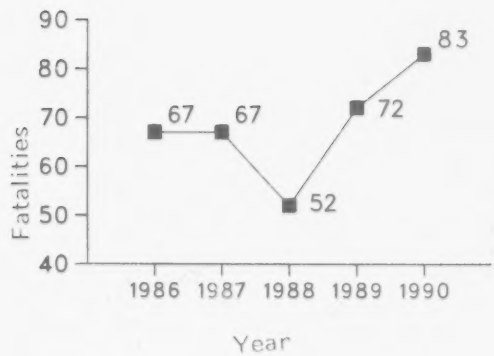
11.1 New Mexico Traffic Crashes Involving Trains, 1971 - 1990

Year	Crashes				People	
	Total	Fatal	Injury	Property damage	Killed	Injured
1990	22	1	11	10	1	12
1989	24	6	6	12	7	11
1988	16	2	7	7	2	9
1987	19	4	7	8	4	11
1986	20	2	7	11	2	11
1985	12	2	7	3	3	10
1984	16	1	6	9	1	7
1983	12	1	5	6	1	6
1982	20	2	5	13	2	7
1981	22	3	10	9	4	14
1980	31	4	11	16	5	16
1979	35	8	10	17	8	14
1978	33	7	8	18	8	13
1977	26	2	9	15	3	15
1976	34	7	10	17	8	16
1975	34	0	16	18	0	24
1974	43	4	14	25	6	19
1973	44	4	17	23	5	21
1972	34	4	7	23	8	12
1971	44	6	11	27	10	15

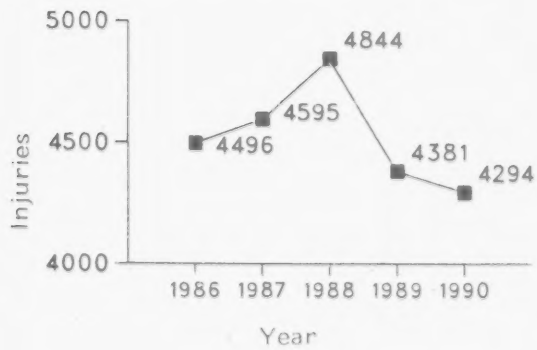
12.1 New Mexico Teenagers in Crashes by Vehicle Type, 1990

Vehicle Type	Teenage Drivers			Teenage Victims	
	Total	Fatal	Injury	Killed	Injured
Passenger car	8,207	40	2,856	38	2,775
Pickup	3,005	27	1,064	19	914
Semi	13	0	2	1	3
Bus	34	1	11	0	10
Motorcycle	184	6	145	7	179
Pedalcyclist	53	1	45	1	45
Pedestrian	79	10	68	10	68
Van or 4WD	651	8	201	4	241
Other	209	3	64	3	59
Total	12,435	96	4,456	83	4,294

12.2 New Mexico Teenagers Killed in Crashes, 1986 - 1990



12.3 New Mexico Teenagers Injured in Crashes, 1986 - 1990



12.4 New Mexico Teenager Crash Facts, 1990

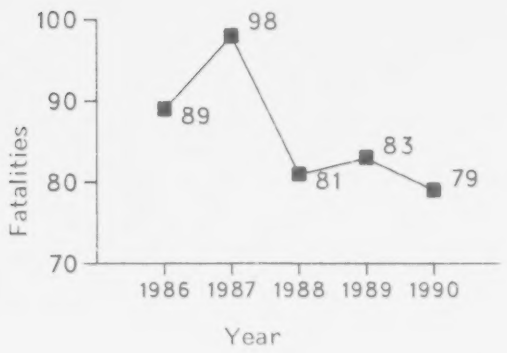
- 16 percent of New Mexico crashes involved teenagers, although teenagers comprised only 7 percent of New Mexico's drivers (tables 6.1 and 6.4)
- Teenage fatalities increased from 72 in 1989 to 83 in 1990 (table 6.5)
- Male teenagers died in crashes twice as often as female teenagers (table 6.5)
- 67 percent of teenage motor vehicle deaths involved alcohol.
- A teenager was killed in a New Mexico traffic crash every 4 days. A teenager was injured every 2 hours (table 12.1)
- In fatal and injury crashes, teenage occupants' self-reported belt use was 67 percent, while that of all occupants was 79 percent.

Note: For these tables teenagers are people ages 15-19.

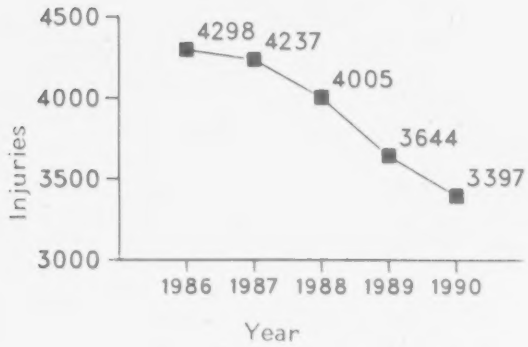
13.1 New Mexico Young Adults in Crashes by Vehicle Type, 1990

Vehicle Type	Young Adult Drivers			Young Adult Victims	
	Total	Fatal	Injury	Killed	Injured
Passenger car	7,044	51	2,546	35	2,080
Pickup	2,930	33	963	22	760
Semi	148	1	39	1	25
Bus	82	1	18	0	8
Motorcycle	250	6	201	9	219
Pedalcyclist	52	0	45	0	46
Pedestrian	56	9	45	9	46
Van or 4WD	552	2	183	3	143
Other	270	0	89	0	70
Total	11,384	103	4,129	79	3,397

13.2 New Mexico Young Adults Killed in Crashes, 1986 - 1990



13.3 New Mexico Young Adults Injured in Crashes, 1986 - 1990



13.4 New Mexico Young Adult Crash Facts, 1990

- 14 percent of New Mexico crashes involved young adults, although young adults comprised only 10 percent of New Mexico's drivers (tables 6.1 and 6.4)
- Young adult fatalities decreased from 83 in 1989 to 79 in 1990 (table 6.5)
- Male young adults died in crashes three times more often than female young adults (table 6.5)
- 71 percent of young adult motor vehicle deaths involved alcohol.
- A young adult was killed in a New Mexico traffic crash every 5 days. A young adult was injured every 3 hours (table 13.1)
- In fatal and injury crashes, young adult occupants' self-reported belt use was 68 percent, while that of all occupants was 79 percent.

Note: For these tables young adults are people ages 20-24.

Services provided by the

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at the

UNIVERSITY OF NEW MEXICO

The Division of Government Research provides specialized information processing services and analysis to a wide range of clients in New Mexico and around the nation. We are happy to have prepared this annual report for the N.M. Traffic Safety Bureau for the eleventh year. This report displays a very small fraction of the data and information we have available about traffic crashes and highway conditions. In preparing this report, we have drawn on computer files that we maintain for the Traffic Safety Bureau of the New Mexico Highway and Transportation Department.

Of interest to those with responsibilities for highway safety are other products the Division has produced such as:

PAPS -- Project Area Problem Summary -- one page summary for each county and municipality with more than 40 crashes in a year.

Intersection crash reports for municipalities with more than 5,000 population.

GRNDB -- Geographic Road Network Database -- provides comprehensive computer mapping capabilities for all state highways in New Mexico. Any data about rural highways in this report can be portrayed in geographic context by using the GRNDB.

DWI Report -- In-depth review of statistics concerning the offense of Driving While Intoxicated in New Mexico. Information is drawn from a variety of databases. The 1989 report is currently available, with the 1990 report available in Summer, 1991.

State Lab Report -- Statistics on blood alcohol concentration data maintained at the State Laboratory Division.

TRSS -- Traffic Records Systems Survey -- an inventory of traffic-related databases available in New Mexico.

For further information about our specialized services in this and other fields, please contact the Director -- Robert U. Anderson -- at (505) 277-3305.

ACKNOWLEDGEMENTS

This report was produced by the following staff at the Division of Government Research: Bich-Hanh Nguyen, Editor, with programming by Edward B. Ballard, Douglas G. Bowen, John S. Toops, and Chad A. Wisler.

Printed by the University of New Mexico Printing Plant

New Mexico Traffic Fatalities by County, 1990